TED (10)–3003	Reg. No.
(REVISION—2010)	Signature
SECOND SEMESTER DIPLOMA EXAMINATION ENGINEERING—OCTOBER, 20	
MANUFACTURING PROCESS	
	[Time: 3 hours
(Maximum marks: 100)	
	Marks
PART—A	
I Answer all questions in one or two sentences. Each ques	
 Give any two advantages of ultrasonic inspection tes 	
List the different types of comparators used for comparators a standard.	paring the dimension with
 List any four properties required for a good moulding 	g sand.
4. List any four major defects found in welded joints.	
 Mention any four physical properties of materials. 	$(5\times 2=10)$
PART—B	
II Answer any five questions. Each question carries 6 marks	•
 Define the following mechanical properties: (i) Creep (ii) Fatigue failure (iii) Brittleness 	
2. Explain the use of plug gauge, ring gauge and thread	gauge.
3. Explain magnetic particle test.	
4. Compare the characteristics of welding and soldering.	
5. Differentiate between a comparator and a gauge.	
Explain pit moulding.	*
7. Explain the use of runner and a riser in a gating syste	m. (5×6=30)
PART—C	
(Answer one full question from each unit. Each quest	ion carries 15 marks.)
Unit - 1	
III (a) Explain the procedure for the creep test.	9
(b) Define the terms:	
(i) Electicity (ii) Endurance limit (iii) Thermal (onductivity 6

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